

Form PTO-1449
(Rev. 8-83)U.S. Department of Commerce
Patent and Trademark Office

Atty Docket 0756-2431

Serial No. 10/066,542

INFORMATION DISCLOSURE STATEMENT

Applicants: Osamu NAKAMURA et al.

Filing Date: February 05, 2002

Group Art Unit: ~~NA~~ 5815

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
BWB	5,529,937	06/25/1996	Zhang et al.			
	5,608,232	03/04/1997	Yamazaki et al.			
	5,639,698	06/17/1997	Yamazaki et al.			
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	5,773,327	06/30/1998	Yamazaki et al.			
	5,789,284	08/04/1998	Yamazaki et al.			
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	5,869,363	02/09/1999	Yamazaki et al.			
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Date Considered

6/2/02

Citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not considered. Include copy of this form with next communication to applicant.

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APR 05 2002

PATENT & TRADEMARK OFFICE

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
BMB	6,111,557	08/29/2000	Koyama et al.			
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04/03/2002

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INFORMATION DISCLOSURE STATEMENT

Applicants: Osamu NAKAMURA et al.

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Group Art Unit 2815

APR 05 2002

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Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date (if appropriate)
BWB	6,303,963	10/16/2001	Ohtani et al.			
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Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No
	05-109737	04/30/1993	JP			Full Eng

Examiner

Date Considered

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04/03/2002

U.S. PATENT & TRADEMARK OFFICE
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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449A/PTO				Complete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/066,542
				Filing Date	February 5, 2002
				First Named Inventor	Osamu NAKAMURA et al.
				Art Unit	2814-2815
				Examiner Name	JACKSON
Sheet	1	of	3	Attorney Docket Number	740756-2431

U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
BWB		US-3,535,775		10/27/1970	Garfinkel et al.	
		US-4,371,403		02/01/1983	Ikubo et al.	
		US-4,477,308		10/16/1984	Gibson et al.	
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Country Code ³	Number ⁴ (if known)			
[Signature]		EP	651431	05/03/1995	Ohtani et al.	
		JP	07-183540	07/21/1995	Ohtani et al.	AB
		JP	08-078329	03/22/1996	Ohtani	AB
		JP	3032801	02/18/2000	Takano et al.	AB

Examiner Signature	[Signature]	Date Considered	e/r/02
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¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at 222.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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Substitution for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Complete if Known	
Application Number				10/066,542	
Filing Date				February 2, 2002	
First Named Inventor				Osamu NAKAMURA et al.	
Art Unit				2814-2315	
Examiner Name				JACKSON	
Attorney Docket Number				740756-2431	
Sheet	3	of	3		


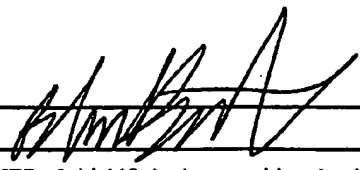
U.S. PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)				
B/M		US-5,705,829		01/06/1998	Miyanaga et al.	
		US-5,712,191		01/27/1998	Nakajima et al.	
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		US-				

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OTHER PRIOR ART - NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		Lee et al. <u>IEEE Transactions on Electron Devices</u> , Vol. 45, No. 8, August 1998 "Argon Ion-Implantation on Polysilicon or Amorphous-Silicon for Boron Penetration Suppression in p ⁺ pMOSFET" p. 1737-1744	
		Miyake et al. <u>IEEE Transactions on Electron Devices</u> , Vol. 43, No. 3, March 1996 "Characteristics of Buried-Channel pMOS Devices with Shallow Counter-Doped Layers Fabricated Using Channel Preamorphization" p. 444-449	
		U.S. Patent Application Serial No. 10/020,961 Filed: 12/19/2001 - Filing Receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/072,931, Filed: 02/12/2002 - Filing Receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/056,055, filed: 01/28/2002, Filing receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/074,050 Filed: 02/14/2002, Filing Receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/051,064 Filed: 01/18/2002, Filing Receipt, Specification, Claims and Drawings	
		U.S. Patent Application Serial No. 10/097,641 Filed: 03/15/2002, Filing Receipt, Specification, Claims and Drawings	
Examiner Signature		<i>[Signature]</i>	Date Considered 6/2/02

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Form PTO-1449 (Rev. 8-83)		U.S. Department of Commerce Patent and Trademark Office		Atty Docket 0756-2431		Serial No. 10/066,542	
<div style="text-align: center;"> INFORMATION DISCLOSURE STATEMENT</div>				Applicants: Osamu NAKAMURA et al.			
				Filing Date: February 05, 2002		Group Art Unit: 2814 2815	
FOREIGN PATENT DOCUMENTS							
Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation Yes No	
BMB	09-074207	03/18/1997	JP			Full Eng	
Examiner 			Date Considered 5/31/03				
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known	
		Application Number	10/066,542
		Filing Date	February 5, 2002
		First Named Inventor	Osamu NAKAMURA et al.
		An Unit	2814 2815
		Examiner Name	JACKSON
Sheet 1 of 1	Attorney Docket Number	740756-2431	

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number, Kind Code ² (if known)			
		US-			
		US-			
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		US-			
		US-			
		US-			
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		Country Code ³ Number ⁴ Kind Code ² (if known)				

Examiner Initials ¹	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ⁴
2/20/03		D.J. Llewellyn et al. <u>IEEE 1997</u> ; "Implantation and annealing of Cu in InP for electrical isolation: microstructural characterization" pp.313-316	
2/20/03		Kevin Jones et al. <u>IEEE 2000</u> ; "Boron Diffusion upon Annealing of Laser Thermal Processed Silicon"; pp.111-114	

Examiner Signature		Date Considered	5/31/03
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Application Number	Not Yet Assigned 101066542
Filing Date	February 5, 2002
First Named Inventor	Osamu NAKAMURA et al
Group Art Unit	Not Yet Assigned 2815
Examiner Name	Not Yet Assigned JACKSON
Attorney Docket Number	740756-2431

Sheet	1	of	1
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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 2

Application Number	10/066,542
Filing Date	February 5, 2002
First Named Inventor	Osamu NAKAMURA et al.
Art Unit	2815
Examiner Name	Bradley Baumeister Jackson
Attorney Docket Number	740756-2431

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		Number - Kind Code ² (if known)			
		US-4,727,044	02/23/1988	Yamazaki	
		US-5,248,630	09/28/1993	Serikawa et al.	
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STATEMENT BY APPLICANT

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Complete if Known

Application Number	10/066,542
Filing Date	February 5, 2002
First Named Inventor	Osamu NAKAMURA et al.
Art Unit	2815
Examiner Name	Bradley Baumeister Jackson
Attorney Docket Number	740756-2431

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U.S. PATENT DOCUMENTS

Examiner Initials ¹	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patent or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number - Kind Code ² (if known)			
		US-2002/0115271 A1	08/22/2002	Yamazaki et al.	
		US-2002/0125480 A1	09/12/2002	Nakamura et al.	
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/066,542		
		Filing Date	February 5, 2002		
		First Named Inventor	Osamu NAKAMURA et al.		
		Art Unit	2815		
		Examiner Name	Bradley W. Baumelster <i>Jackson</i>		
Sheet	1	of	1	Attorney Docket Number	740756-2431

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Examiner Initials ¹	Cite No. ¹	U.S. Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
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		First Named Inventor	Osamu NAKAMURA et al.
		Art Unit	2815
		Examiner Name	Bradley W. Baumeister Jackson
Sheet 1 of 1	Attorney Docket Number	740756-2431	

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT (This form must be filed as necessary) SEP 04 2003 PATENT & TRADEMARK OFFICE		Application Number	10/066,542
		Filing Date	February 5, 2002
		First Named Inventor	Osamu NAKAMURA
		Art Unit	2815
		Examiner Name	Bradley W. Baumeister, Jr. Esq.
Sheet 1 of 1	Attorney Docket Number	740756-2431	

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		Number - Kind Code ² (if known)			
BWB		US-2003/0122129 A1	07-03-2003	Yamazaki et al.	
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Sheet	1	of	1

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		Number	Kind Code‡ (if known)			
[Signature]		US-5,962,871		Zhang et al.	10-05-1999	
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